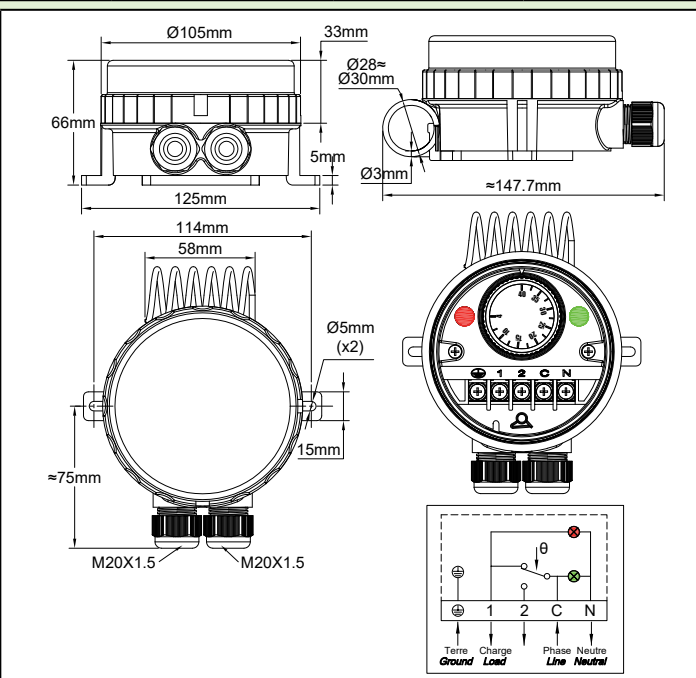




“Pigtail” bulb room thermostats for heat tracing

Enclosure	Type	Operation	Contact	Measurement	Ranges °C	Type
IP66 IK10	Control	Mechanical	SPDT	Ambient		YF7GNC
PA66 & PC						



Example of assembly on 3 or more heat tracing cables, in combination with Y25 connection boxes

Example of assembly on 2 heat tracing cables, with one Y29 connection box, for metal pipe antifreeze protection

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice



“Pigtail” bulb room thermostats for heat tracing

Applications

- Equipment requesting a very strong resistance to water ingress. The transparent cover allows to visualize the set point and the 2 pilot lights. The mechanical temperature measurement is heavy duty and insensible to voltage changes.

- Outdoor antifreeze temperature control of heaters and heat tracing cables.

Wall mounting for indoor or outdoor temperature control of cold rooms.

- Temperature control of industrial or commercial premises.

- Green houses and livestock stables temperature control.

Housing: Protection class IP 66 upon EN 60529 (waterproof spray water under high pressure and sea splashes, totally dust tight). Body in black PA66, fiber glass reinforced. The transparent polycarbonate cover can be unscrewed by hand, but it is also possible to use a hook spanner. Mechanical impact resistance: IK10. High UV resistance.

Set point adjustment: By °C printed knob. All types have an adjustable rotation limit system located inside the knob that allows reducing the set point adjustment span. °F printed knobs available as an option.

Action: Temperature control. On-Off action

Sensing element: Liquid filled “pigtail” stainless steel bulb, mounted on the top side of the plastic housing.

Pilot lights: One pilot light visualizes the thermostat contact output position. The other visualizes the power supply input. Phase and neutral electrical line supply are mandatory for these pilot lights.

Set point adjustment ranges: 4-40°C (40-105°F)

Cable input and output: Two M20 cable glands, built-in black PA66.

Electrical connections: Inside, on screw terminal connection block. It is possible to connect 2 wires 1.5mm² on each terminal.

Earthing: Internal screw terminal.

Mounting: Wall mounting, by 2 legs with holes for screws dia. 4 to 5 mm, 114mm distance

Identification: Identification label on backside.

Contact: SPDT

Electrical rating, resistive loads:

16A 250V, 50 ~60Hz: >100000 cycles,

Minimum storage temperature: -35°C (-30°F)

Maximum ambient temperature: 60°C (140°F)

Options: Models with remote temperature sensor

For more technical information about the thermostat mechanism used in this enclosure, see the 8G thermostat technical data sheet in catalogue N°1

Main references used in heat tracing

Temperature adjustment ranges °C (°F)	Reference	Differential °C (°F)
4-40°C (40-105°F)	YF7GNC04040023ZJ	1.6±1°C (2.9±2°F)

*°F printing: replace last character (J) by K

Knob printings		Model with bulb and capillary for distant measurement (Technical data sheet available in catalogue number 2, second edition)
°F Printing	°C Printing	YF9GNC
40-105°F	4-40°C	
